

Fig. 1

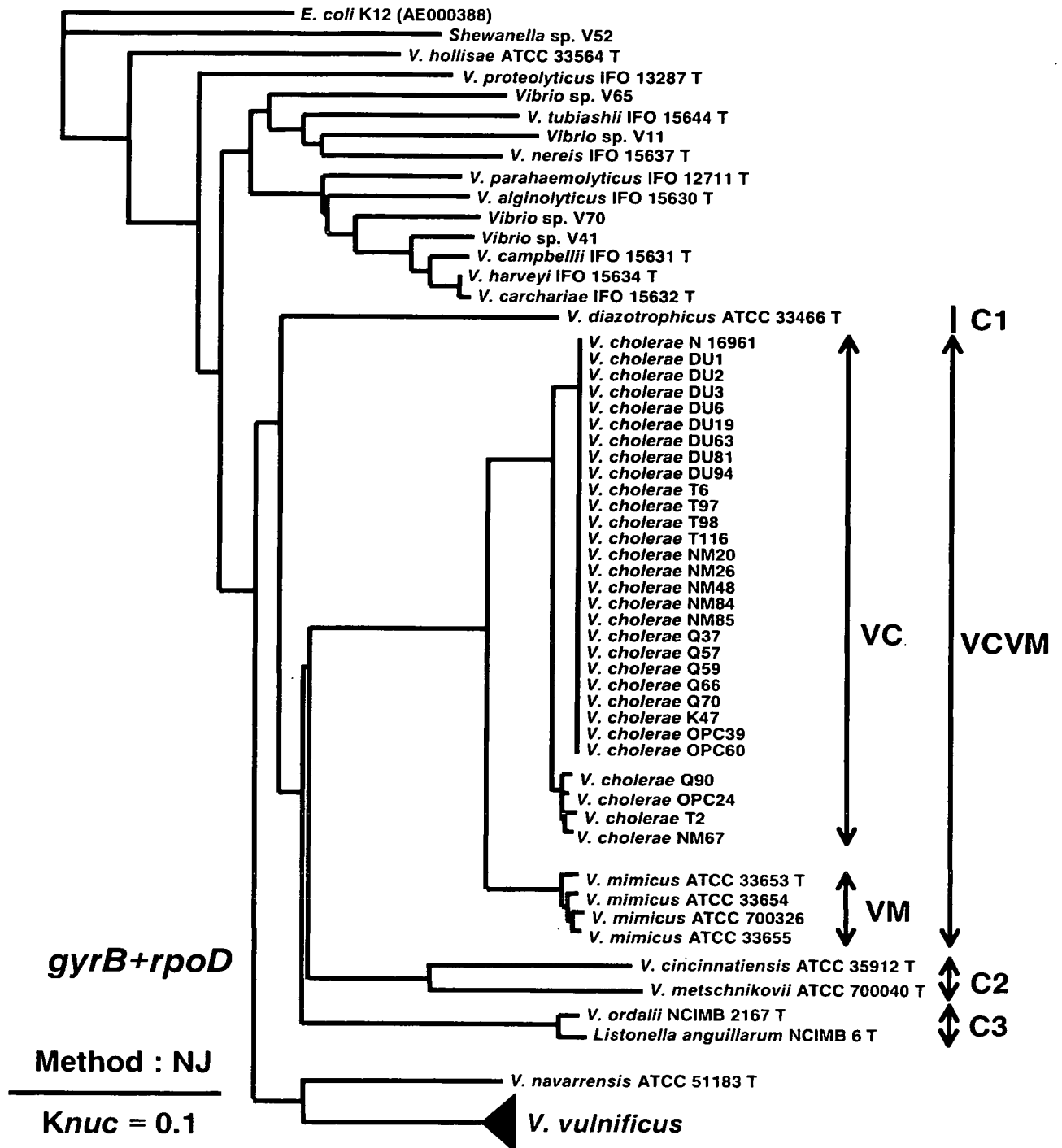


Fig. 2

VCM-gyrB.con	1	GMTCCGGYGGTCTRCACGGGAGGTGTGTGGTGTGKAAAGCSCBTCTCWGAAAAAGTG	60
3,4,5,gyrB.con	1	..H..N..T..YY...Y..C..N..K..K..N..B..Y..C..VY.D.....D	60
		** ** ** ** **	
VCM-gyrB.con	61	CTRCTBACCATYATCGYGGYGGCAARATYCAWCSCAAACCTACCATCAYGGTGTGCCA	120
3,4,5,gyrB.con	61	Y.DY.R..Y...Y.Y...RR...HVMH.YB...A.W.....B..YGY....B..D..W	120
		* * * * *	
VCM-gyrB.con	121	CAAGCACCGTTGKCTGTRGTRGGTGAKACWAGCGTACCGGTACTACCGTACGTTTCTGG	180
3,4,5,gyrB.con	121	....B..VY.RRSB..K..B..W..D..B..WMRH..H..D..W..VB.D..Y..Y...	180

VCM-gyrB.con	181	CCWAGYGCACARACYTTTACCAATATCGAATTTCATTACGACATTYTGCTAAACGYCTG	240
3,4,5,gyrB.con	181	..R..T..HG.V..B..Y.....Y..Y.....C..Y..Y..H.....D.....R...Y.R	240
		** ** *	
VCM-gyrB.con	241	CGTGAGCTGTCAATCTCTGAAYTCTGGCGGTGTCGATCAAGCTGAYSGATGARCCTGAAGAA	300
3,4,5,gyrB.con	241	..Y..R..B..W..YY.A..C..W..B..H..V..YMRWY.RHW.....H....MR	300
		** ** *	
VCM-gyrB.con	301	GATAAAGACCACTTATGTATGAAGGKGGTATTCAAGCGTTTGTKACCCACTTGAAC	360
3,4,5,gyrB.con	301	..Y..AM.M..Y..Y....KR.....K..YMR...R..Y...RSY..YY.H..Y	360
		** ** *	
VCM-gyrB.con	361	CGYAAAYAAACGCCCATCCATGARAAAGTMTTCCACTTYAACCAAGCGTGAAGATGGC	420
3,4,5,gyrB.con	361	..C.....K..S..Y.....V.....R.....Y....RYMW..V.....M..Y..B	420
		** *****	

Fig. 2 (continued)

VCVM-gyrB.con	421	ATCAGCGTGGAAAGTGGCRATGCAGTGGAAAGATGGTTTCCAAGAAAACATCTACTGCTTT	480
3,4,5,gyrB.con	421	.YYWSY..K....V..V.....R.....Y..Y.....RRY..Y.....Y... * ** ***** ** ***** ** ***** ** ***** ** ***** **	480
VCVM-gyrB.con	481	ACYAACAACATYCCACAGCGTGATGGYGGTACCCAYTTAGCYGGTTTCCGTGGTGCRRTG	540
3,4,5,gyrB.con	481	..C..Y..Y.....W..R..Y.....B..DR.H..C.....S..D.....Y..SN...Y..R ** ** ***** ** ***** ** ***** ** ***** ** ***** *	540
VCVM-gyrB.con	541	ACCGTACTTTGAACAACATAYATGGAYAAAGAGGCTTCTCGAAGAAAGCSAAGCRGCA	600
3,4,5,gyrB.con	541	..K..W..BY.H..Y.C..W.....W..R.....S.WYWS..R.....M..R.VK.G ** ** * ** * ** ***** ** ***** ** ***** ** ***** ** *	600
VCVM-gyrB.con	601	ACCTCGGGTGATGATCGCGGTGAAGGCTTAACRCGCDGKGTDTCCGGTGAAAGTRCCRGAT	660
3,4,5,gyrB.con	601	..V..K..Y..Y.....K.....Y..R..N..V..B..Y..D..B.....K..D... ** ** * ** ***** ** ***** ** ***** ** ***** ** *****	660
VCVM-gyrB.con	661	CCTAAATTCTCRAGCCAAACCAAGATAAGCTRGTTTCTTCGGARGTRAAATCCGCRGTT	720
3,4,5,gyrB.con	661	..W..R.....H.....Y.....Y..AY....B..W..Y.....G..RD.K.....K ** ** ***** ** ***** ** ***** ** ***** ** ***** ** *****	720
VCVM-gyrB.con	721	GARTCAGCYATGAATGAGAAGCTGGCRGATTTCCTRGCGGAAACCCAAAGCGAAGCGAA	780
3,4,5,gyrB.con	721	.....D..R...GGY..R..RY.BRMB..K..YY....H..RM.Y..HWST.....N... ***** ** ***** ** ***** ** ***** ** ***** ** *****	780
VCVM-gyrB.con	781	AACGTTTGTTGTAAGATTATTGATGCRGCRGCGHCKCGTGAAGCVGCGGTAAAGCMCGK	840
3,4,5,gyrB.con	781	.YS..S...WSH..A..Y..Y.....V..W..H..Y.....V.....B..T * ** ***** ** ***** ** ***** ** ***** ** ***** ** *****	840
VCVM-gyrB.con	841	GAAATGACYCGYCGTAAAGGCGGYTRGAYYTHGCWGGYTRCCH	885
3,4,5,gyrB.con	841	..R.....N..T.....B..R..V...C.KR....TY.D..R ** ***** ** ***** ** ***** ** ***** ** ***** ** *****	885

Fig. 3

VCM-rpOD.con	1	ACACGTGAAGGYGAAATCGATATTGCCAAGCGCATTTGAAGATGGTATTAAACCAAGTTCAA	60
3,4,5-rpOD.con	1	.T.Y.....T.R.Y.....Y.K.R..Y.Y.....W.....Y.....W....	60
		** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** **	
VCM-rpOD.con	61	AGTGGGATTGCTGAGTATCCCTGGGAACCATCCCWTAATCTTGARCAGTTTGAYMRKGT	120
3,4,5-rpOD.con	61	M.Y..HG.K.....A..Y..H..H..N..T.....YY.W.....R..Y...AAA...	120
		* ** * ** ** * ** * ** * ** * ** * ** * ** * ** * ** * ** * ** * ** *	
VCM-rpOD.con	121	CAGGCMGAAGARCTACGTCTCTACTGAYCTGATTTCWGGTTTCGTTGAYCCTAACGACATG	180
3,4,5-rpOD.con	121	.WW..W..R...Y.W..Y.Y.A..M...M.V..YWSH.....YR.H.....DR.YKMWGWT	180
		* ** ** ** ** * ** * ** * ** * ** * ** * ** * ** * ** * ** * ** *	
VCM-rpOD.con	181	GAAACCGAAGCGCAACYGCKACTCACATCGGTTTCWGARTYTTCTGAAGCSGATCTCGCK	240
3,4,5-rpOD.con	181	.V.RSDRMN..N.....D..R..N..Y.....Y.A...Y.DR.HRGYK.W..Y..H.MT	240
		* * ** ** ** * ** * ** * ** * ** * ** * ** * ** * ** * ** * ** *	
VCM-rpOD.con	241	GATGAAGATGAYGKMGTCGYSGARGATGAAGACGARGATGAAGAYGAAGAYGCCGACGGT	300
3,4,5-rpOD.con	241	.Y..M..YAGTRAM.AYM.Y..YSWY.....Y..W..Y..V...V...RM...R.Y..HRRC	300
		** ** ** * ** * ** * ** * ** * ** * ** * ** * ** * ** * ** *	
VCM-rpOD.con	301	GAAAGYAGCGACAGCGGAAGAAGTSGGTATYGACCCCTGARTSGCTCGTGAGAAATTC	360
3,4,5-rpOD.con	301	AGCRM.RVYRRYKMY.....DRYH..H..C..Y.....K..DYTA..R.....Y	360
		* ***** ** ** * ** * ** * ** * ** * ** * ** * ** * ** *	
VCM-rpOD.con	361	AATGAACTGCGCGGYAAGTCCAAAACCTGCAATTAGCGGTTAATGAATTTGGTCGTGAC	420
3,4,5-rpOD.con	361	.CY..RY.W..YAA.M.R.AY..RR.YY.W..RY.H..KAWM..Y..RCAY..YDAYR.B	420
		* ** * ** * ** * ** * ** * ** * ** * ** * ** * ** * ** * ** *	

Fig. 3 (continued)

VCVM-rpOD.con	421	AGTMAYCAAGCWTCTGAAGCKTCARRCYTRGTRYTGATATYTTCCGYGAATCCGYCTA	480
3,4,5-rpOD.con	421	..CHMHAM.R.YSMNS...NW.YGAR..DR....VRMKR.....R..Y..HY.V	480
		** *	
VCVM-rpOD.con	481	ACACCAAAARCAATTYGACCAYTTGGTTGAAACTCTGCGYACYTCRATGGATCGTTCGY	540
3,4,5-rpOD.con	481	..R..D.....R.....YY..Y.H..HRMY.MR..DM...M....W....Y..D...	540
		** *	
VCVM-rpOD.con	541	ACCCAAGARCGYTTGGTRATGAAAGCVGTRGTTGAAGTCGCGAARATGCCRAAGAAATCR	600
3,4,5-rpOD.con	541	..W.....A...Y..A.C...MRVD.K.YK..Y...DWM.SK.....K..R..R..A	600
		** *	
VCVM-rpOD.con	601	TTYATYGCYCTRITTACAGGCAATGAATCGAATGARGARTGGCTBGATAAAGTVCTYGC	660
3,4,5-rpOD.con	601	.....K.VB.M..Y..Y.....DRRY..W.CW...Y.W..YS..R.HM....D	660
		***** *	
VCVM-rpOD.con	661	TCTGAYAAARCCCTAYGTASMRAAAGTMCGTGAGCAAGAAGAMGAKATYCGCCGYTCAATY	720
3,4,5-rpOD.con	661	W.M..W.....W....YWG.M..RA.YM.HSMVV.W.....RRHB.....T.....W...	720
		* *	
VCVM-rpOD.con	721	CARAAACTDCARATGATCGARCARGAGACWTCACGTGCTGTTGARGCYATCAAAGACATC	780
3,4,5-rpOD.con	721	..W..RY.RMRW..B..Y...S.A..A..V..WY.NRMK..RMRMR...Y.....Y..Y	780
		** *	
VCVM-rpOD.con	781	AGCCGTCGTATGTCWATCGGTGARGCRAAAGCTGCCGTCGG	822
3,4,5-rpOD.con	781	.....Y..C.....Y.....A..K.....Y..W...	823
		***** *	

Fig. 4

[illegible]

Fig. 4 (continued)

gyrB-VC.con	421	ATCAGCGTGAAGTGGCRATGCAGTGGAAYGATGGTTTCCAAGAAAACATCTACTGCTTT	480
gyrB-VM.con	421	.....A.....C..... *****	480
gyrB-VC.con	481	ACYAACAAACATCCCACAGCGTGATGGTGGTACCCAYTTAGCCGGTTTCCGTTGGTGCGGTTG	540
gyrB-VM.con	481	.C.....Y.....C.....C.....Y.....R... ** *****	540
gyrB-VC.con	541	ACCCGTACTTTGAACAACACTAYATGGAYAAAGAGGCTTCTCGAAGAAAGCSCAAGCGGCA	600
gyrB-VM.con	541	.....C.....C..... *****	600
gyrB-VC.con	601	ACCTCGGGTGATGATGGCGGTGAAGGCTTAACGGCGWGTGGTWTGCGTGAAAGTGCCGGAT	660
gyrB-VM.con	601	.....R..R..K..K.....R..R... *****	660
gyrB-VC.con	661	CCTAAATTCRAGCCAAACCAAGATAAGCTGGTTTCTTCGGAAAGTAAATCCGCRGTT	720
gyrB-VM.con	661	.....R.....R..G.....G... *****	720
gyrB-VC.con	721	GARTCAGCYATGAATGAGAAGCTGGCRGATTTCCTAGCGGAAACCCAAAGCGAAGCGAAA	780
gyrB-VM.con	721	.G.....C.....G..... ** *****	780
gyrB-VC.con	781	AACGTTTGTTCGAAGATTATTGATGCRGCRGCGYCKCGTGAAGCSGCGGTAAAGCCCGK	840
gyrB-VM.con	781	.....H..T.....V.....A..T *****	840
gyrB-VC.con	841	GAAATGACTCGYCGTAAAGGCGGYTGGATCTTGCWGGCTTACCC	885
gyrB-VM.con	841	.....Y..T.....C.A..YY.M..T..T..G..W *****	885

Fig. 5

rpod-VC.con	1	ACACGTGAAGGTGAAATCGATATTGCCAAGCGCATTTGAAGATGGTATTAAACCAAGTTCAA	60
rpod-VM.con	1	.....C.....	60

rpod-VC.con	61	AGTGCGATTGCTGAGTATCCTGGAAACCATCCCTTATATTCTTGAGCAGTTTGCATCGTGTT	120
rpod-VM.con	61	.....A..C.....A.....CAAG...	120

rpod-VC.con	121	CAGGCCGAAGAGCTACGTCTCACTGACCTGATTTCAAGGTTTCGTTGAYCCTAACGACATG	180
rpod-VM.con	121	.....A.....G.....Y.....T.....	180

rpod-VC.con	181	GAAACCGAAGCGCCAACCGGACTCACATCGGTTCTGAGCTTCTGAAGCGGATCTCGCG	240
rpod-VM.con	181	.....T..T.....A..R..C.....C.....T	240

rpod-VC.con	241	GATGAAGATGATGCTGTCGTGCGAAGATGAAGACGAAGATGAAGATGGCGACGGT	300
rpod-VM.con	241	.....C.AG...CG..G.....G.....T.....C.....	300

rpod-VC.con	301	GAAAGCAGCGACAGCGAAGAAGTCCGGTATCGACCCCTGAACCTGGCTCGTGAGAAATTC	360
rpod-VM.con	301	.....Y.....G.....T.....G..C.....	360

rpod-VC.con	361	AATGAACCTGCGGGYAAGTTCCAAACCTGCAATTAGCGGTTAATGAATTGGTCGTGAC	420
rpod-VM.con	361	.....C.....	420

Fig. 5 (continued)

rpod-VC.con	421	AGTCATCAAGCTTCTGAAGCGTCAGACTTAGTGTTGGATATCTTCCGTGAATCCGYCTA	480
rpod-VM.con	421	...A.C....A.....T...AG.C.G..AC.....Y.....C.....C... *** * **** * **** * * * * * **** * **** * **** * **** *	480
rpod-VC.con	481	ACACCAAGCAATTGACCACTTGGTTGAAACTCTGCGCACTTCAATGGATCGTGTTCGC	540
rpod-VM.con	481	.....A.....T.....T.....T.....T.C.G.....T.....T ***** **** * **** * **** * **** * **** * **** * **** *	540
rpod-VC.con	541	ACCCAAGAAGCTTGGTRATGAAAGCGGTAGTTGAAGTCGCGAAGATGCCGAAGAAATCG	600
rpod-VM.con	541	.....G..Y.....G.....V..G.....A.....A.....A.....A ***** ** * **** * **** * **** * **** * **** * **** *	600
rpod-VC.con	601	TTCATCGCCCTATTACAGGCAATGAATCGAATGAAGAGTGGCTGGATAAAGTCCTTGCT	660
rpod-VM.con	601	..T..T..Y..R.....R..A.....Y.....R..C... ** ** ** * **** * **** * **** * **** * **** * **** *	660
rpod-VC.con	661	TCTGACAAGCCTTACGTAGCGAAAGTCCGTGAGCAAGAAGAGATCCGCCGTCAATT	720
rpod-VM.con	661	....T..R....T...CAA....A.....C..T..T....C....C ***** ** * **** * **** * **** * **** * **** * **** *	720
rpod-VC.con	721	CAGAAACTACAAATGATCGAGCAAGAGACATCACTGTCTGTTGAACGCATCAAAGACATC	780
rpod-VM.con	721	..A.....K..G.....A..R.....T.....G..T..... ** * **** * **** * **** * **** * **** * **** * **** *	780
rpod-VC.con	781	AGCCGTCGTATGTCAATCGGTGAGGCRAAAGCTCGCCGTGCG	822
rpod-VM.con	781	.....T.....A..G..... ***** **** * **** * **** * **** * **** * **** *	822

Fig. 6

gyrB-VM.con	1	GTCTCCGGTGGTCTACACGGGGTAGGTGTGTCGGTAGTGAATGCCCTGTCTAGAAAAAGTG	60
gyrB-VC.con	1	..M....Y....G.....G...T..C..G..Y..T.....	60
		** ***** ***** ** ** ** **	
gyrB-VM.con	61	CTGCTBACCATTTATCGTGGTGGCAAGATTACACCCAACTTACCATCACGGTGTGCCA	120
gyrB-VC.con	61	..R..Y....Y....Y...R..C..YW.S.....T.....	120
		** ** ***** ** ** * ***** ** *****	
gyrB-VM.con	121	CAAGCACCGTGTCTGTRGTGGTGAGACTGAGCGGTACCGGTACTACCGTACGTTTCTGG	180
gyrB-VC.con	121	.....G.....R....K..W.....	180
		***** ** ***** ** *****	
gyrB-VM.con	181	CCTAGTGCACAGACTTTTACCAATATCGAATTCCATTACGACATTTCTGGCTAAACGYCTG	240
gyrB-VC.con	181	..W..Y....R..Y.....Y.....T.....C...	240
		** ** ***** ** *****	
gyrB-VM.con	241	CGTGAGCTGTCTCCCTGAACTCTGGCGGTGTCGATCAAGCTGACGGATGAGCGTGAAGAA	300
gyrB-VC.con	241	.....Y.....Y.....YC.....A.....	300
		***** ***** *****	
gyrB-VM.con	301	GATAAGAAAGACCACTTATGTATGAAGGTGGTATTCAAGCGTTTGTKACCCACTTGAAC	360
gyrB-VC.con	301	.....A.....C.....G.....G.....	360
		***** ***** *****	
gyrB-VM.con	361	CGTAAYAAACGCCGATCCATGAAAAGTATTCCTCACTTCAACCAAGAGCGTGAAGATGGC	420
gyrB-VC.con	361	..Y.....R.....G.....C.....T.....	420
		** ***** *****	

Fig. 6 (continued)

gyrB-VM.con	421	ATCAGCGTGAAGTGGCAATGCAGTGGAAACGATGGTTTCCAAGAAACATCTACTGCTTT	480
gyrB-VC.con	421	.....R.....Y..... ***** *****	480
gyrB-VM.con	481	ACCAACAACATYCCACAGCGTGATGGCGGTACCCACTTAGCYGGTTCCGGTGGTGCRTTG	540
gyrB-VC.con	481	..Y.....C.....T.....Y.....C.....G... ** ***** *****	540
gyrB-VM.con	541	ACCCGTACTTTGAACAACACTACATGGACAAAGAGGCTTCTCGAAGAAAGCSCAAGCRGCA	600
gyrB-VC.con	541	.....Y.....Y..... ***** *****	600
gyrB-VM.con	601	ACCTCGGGTGATGTCGCGGTGAAGGCTTAACRGCRTKGTCTCGGTGAAAGTRCCRGAT	660
gyrB-VC.con	601	.....G..W..G.. ***** *****	660
gyrB-VM.con	661	CCTAAATTCTCRAGCCAAACCAAGATAAGCTRGTTTCTCGGARGTGAAATCCGCGGTT	720
gyrB-VC.con	661	.....G.....A..A.....R... ***** *****	720
gyrB-VM.con	721	GAGTCAGCCCATGAATGAGAAGCTGGCGGATTTCCTGGCGGAAACCCAAAGCGAAGCGAAA	780
gyrB-VC.con	721	..R....Y.....R.....A..... ** ***** *****	780
gyrB-VM.con	781	AACGTTTGTTCGAAGATTATTGATGCRGCRCHGCTCGTGAAGCVGGCGGTAAAGCACGT	840
gyrB-VC.con	781	.....Y..K.....S.....C..K ***** *****	840
gyrB-VM.con	841	GAAATGACYCGTCGTAAAGGCGCGCTAGAYYTMGCTGGTTTGCCW	885
gyrB-VC.con	841T..Y.....Y.G..TC.T..W..C..A..C ***** *****	885

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Fig. 7

rpod-VM.con	1	ACACGTGAAGCGAAATCGATATTGCCAAGCGCATTTGAAGATGGTATTAACCAAGTTCAA	60
rpod-VC.con	1	.....T.....	60

rpod-VM.con	61	AGTGCGATTGCTGAGTATCCTCTGGAACCATCCCATACATTCTTGAACAGTTTGACAAGGTT	120
rpod-VC.con	61	.....T.....G.....TCGT...	120

rpod-VM.con	121	CAGGCAGAAAGAACTACGCTGACTGAYCTGATTCTGGTTTCGTTGATCCTAACGACATG	180
rpod-VC.con	121	.....C.....G.....C.....A.....Y.....	180

rpod-VM.con	181	GAAACCGAAGCGCCAACTGCTACTCACATCGGTTTCAGARCTCTCTGAAGCCGATCTCGCT	240
rpod-VC.con	181	.....C.....G.....T.....G.....G.....	240

rpod-VM.con	241	GATGAAGATGACGAGGTCGCGGAGGATGAAGACGAGGATGAAGATGAAGACGGCGACGGT	300
rpod-VC.con	241	.....T.CT...TC..A.....A.....C.....T.....	300

rpod-VM.con	301	GAAAGYAGCGACAGCGAAGAAGTGGGTATTGACCCCTGAGCTCGCTCGTGAGAAATTC	360
rpod-VC.con	301	.....C.....C.....C.....A.....G.....	360

rpod-VM.con	361	AATGAACCTGCGCGGCAAGTTCCAAACCTGCAATTAGCGGTTAATGAATTTGGTCGTGAC	420
rpod-VC.con	361	.....Y.....	420

Fig. 7 (continued)

rpod-VM.con	421	AGTAAACCAAGCATCTGAAGCTTCAAGCCCTGGTACTGGATATYTTCCGCGAATTCGCGCTA	480
rpod-VC.con	421	...C.T.....T.....G...GA.T.A..GY.....C.....T.....Y...	480
		*** * ***** ** * * * ***** ** * * * ***** ** * * *	
rpod-VM.con	481	ACACCAAAACAATTGACCATTTGGTTGAAACTCTGCGTACCTCGATGGATCGTGTTCGT	540
rpod-VC.con	481	.....G.....C.....C.....C..T..A.....C.....C	540
		***** ** * * * ***** ** * * * ***** ** * * *	
rpod-VM.con	541	ACCCAAGAGCGYTTGGTGATGAAAGCVGTGGTTGAAGTCGCGAATAATGCCAAAGAAATCA	600
rpod-VC.con	541	.....A..T.....R.....G..A.....G.....G.....G.....G	600
		***** ** * * * ***** ** * * * ***** ** * * *	
rpod-VM.con	601	TTTATTGCYCTRTTTACAGGCAATGAATCGAATGARGAATGGCTYGATAAAGTRCTCGCT	660
rpod-VC.con	601	..C..C..C..A.....G.....A..G.....G.....C..T...	660
		** ** ** ***** ** * * * ***** ** * * * ***** ** * * *	
rpod-VM.con	661	TCTGATAARCCCTTATGTACAAAGTACGTGAGCAAGAAGACGATATTCGCCGCTCAATC	720
rpod-VC.con	661	....C..G....C...GCG....C.....C.....A..G..C.....T....T	720
		***** ** * * * ***** ** * * * ***** ** * * * ***** ** * * *	
rpod-VM.con	721	CAAAAACCTKCAGATGATCGAACAARGAGACTTCACCTGTCTGTTGAGCGGTATCAAAAGACATC	780
rpod-VC.con	721	..G.....A..A.....G..A.....A.....A.....A..C.....C.....C	780
		** ***** ** * * * ***** ** * * * ***** ** * * *	
rpod-VM.con	781	AGCCGTCGTATGTCTATCGGTGAAGCGAAAGCTCGCCGTCGCG	822
rpod-VC.con	781	.....A.....A.....G..R.....C.....C.....C.....C	822
		***** ** * * * ***** ** * * * ***** ** * * *	